

B2 consisting of alumina and zeolite materials, recycling said catalyst to and from said reaction zone, regenerating between 10 and 100 % of the catalyst being recycled in a regeneration zone to provide a regenerated catalyst and returning said regenerated catalyst to said reaction zone

The paragraph beginning on page 9 line 24 has been revised to read as follows

B3 It has been found that the size range characteristic dimension "l" for the Ni crystallites should be in the range of 5 Å to 1000 Å and preferably are in the range of 150 to 250 Å These crystallites 106 are distributed on the support 102 so that there are no more than 0.2 m² of exposed nickel/ m² of support i.e. a minimum spacing between adjacent crystallites or maximum coverage of the surface support.

The paragraph beginning on page 10 line 1 has been revised to read as follows

B4 The average range of size i.e. dimension l of the crystallites 106 when α- alumina (the preferred form of support for steam reforming) is used as the support structure will generally be in the range of 10Å to 1000 Å preferably 150Å to 250Å and for zeolite supports will normally be smaller than those for α alumina and generally will be in the range of 5Å to 100Å preferably 30Å to 70Å. It has been found that when the size and distribution of Ni crystallites are not within these ranges the resulting product has catalytic properties significantly inferior to those of the present invention.

In the claims

Please amend claim 1 to read

Claims 1 and 2 have been amended to read as follows

B5 1. (Amended twice) A regenerable Nickel (Ni) catalyst for a hydrocarbon reforming process, said catalyst comprising discrete Ni crystallites formed on a support element by a several incipient wetness steps process incorporating a plurality of Ni impregnation cycles, said catalyst being capable of withstanding at least 6 catalyst regenerations without significantly inhibiting it's catalytic activity in said reforming process, said Ni crystallites positioned in the inner surface of said support element, said crystallites having a crystallite characteristic dimension of between 5 and 1000 Å and a dispersion on said support element of no more than 0.2 square meter of exposed nickel/ square meter of support surface.